

ABSTRACT OF THE DISCLOSURESPREAD SPECTRUM MODULATION METHOD WITH DISCONTINUOUS
SPREADING CODE, CORRESPONDING DEMODULATION METHOD,
MOBILE STATION AND BASE STATIONS

The present invention relates to a spread spectrum modulation using discontinuous spreading codes. The spectrum spreading codes used are sequences of chips wherein at least one chip has the value 0. These codes
5 are called discontinuous spreading codes. Each of the chips with value 0 in the discontinuous spreading code generates a transmit power approaching zero for the corresponding transmitted signal.

The present invention is especially applicable in
10 the domain of third generation telecommunication systems for mobile phones.

Fig. 6